

RCT Sianol-D

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

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1.2. Relevant identified uses of the substance/mixture and uses advised against

Use of the substance/mixture

Concrete/mortar admixtures

1.3. Details of the supplier providing the safety data sheet

Company name: Reisacher Chemie & Technik GmbH
Street: Hermann-Krum-Str. 7
Place: 88319 Aitrach (Germany)
Phone: +49 7565 942687 - 0 Telefax: +49 7565 942687 - 90
E-Mail: info@rct-germany.de
Contact person: Dr. Rockermaier
E-Mail: m.rockermaier@rct-germany.de
Homepage: www.rct-germany.de
Informing department: Laboratory

1.4. Emergency phone number:

+49 7565 942687 - 0

The emergency number is only available on weekdays (Mon-Fri) from 8:30 to 16:00 (CET).

SECTION 2: Possible hazards

2.1. Classification of the substance or mixture

The mixture is classified as non-hazardous according to Regulation (EC) No 1272/2008 [CLP].

2.2. Kennzeichnungselemente:

Regulation (EC) No. 1272/2008

Safety advice

P261 Avoid inhalation of mist/aerosol.
P262 Do not get in eyes, on skin or on clothing.

Note on labeling

The product does not require labeling according to EC Directives or national laws.

2.3. Other hazards

No hazards requiring special mention. Please observe in any case the information of the safety data sheet.

SECTION 3: Composition/Information on ingredients

3.1. Mixtures

Chemical characterization

Aqueous organosiloxane emulsion

Further information

This mixture does not contain any ingredients that are hazardous to health or the environment as defined in Regulation (EC) No 1272/2008, assigned a Community Occupational Exposure Limit, classified PBT / vPvB or included in the candidate list.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Change soiled, saturated clothing.

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of soap and water.

After contact with eyes

Immediately rinse cautiously and thoroughly with eye wash or with water.
In case of eye irritation, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.
Seek medical advice if symptoms occur or in case of doubt.

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4.2. Most important symptoms and effects, both acute and delayed

No symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed.

Symptomatic treatment.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Adapt extinguishing measures to the surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

In case of fire may be formed: Carbon dioxide (CO₂), Carbon monoxide (CO).

5.3. Advice for fire fighting

Use suitable breathing apparatus.

Collect contaminated extinguishing water separately. Do not allow to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

6.2. Environmental precautions

Do not allow to enter drains or water courses.

Do not allow to enter subsoil/soil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders). Handle absorbed material according to disposal section.

6.4. Reference to other sections

Safe handling, see section 7.

Personal protective equipment see section 8.

Disposal, see section 13.

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Precautions for safe handling

Ensure adequate ventilation. Do not inhale aerosol. Avoid contact with skin, eyes and clothing.

Use personal protective equipment.

Further handling information

Further information: See section 8.

7.2. Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed.

Storage temperature: 5 - 30 °C.

Further information on storage conditions

Packaging materials: polyethylene, stainless steel.

Storage class according to TRGS 510:

12 (Non-flammable liquids which cannot be assigned to any of the above LGK).

7.3. Specific end use

No identified use(s).

SECTION 8: Exposure controls/personal protection

8.1. Parameters to be monitored

Additional notes on limit values

No national limit values have been established to date.

8.2. Exposure controls and monitoring

Suitable technical control equipment

Ensure adequate ventilation.

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Protective and hygienic measures

Avoid contact with skin, eyes and clothing. Do not inhale aerosol. Change soiled, saturated clothing. Do not eat or drink while working. Wash hands before breaks and at end of work.

Eye/face protection

Tightly fitting safety goggles. (DIN EN 166).

Hand protection

Suitable glove type: gauntlet gloves. (DIN EN 374)

For short-term hand contact: Disposable gloves.

Suitable material:

- NBR (nitrile rubber): material thickness: 0.35 mm, breakthrough time: > 480 min.

The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances.

Body protection

Wear only suitable, comfortably fitting and clean protective clothing.

Respiratory protection

In case of fine dispersion/spraying/misting: Do not inhale aerosol.

If technical extraction or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Suitable respiratory equipment: Filtering half mask (DIN EN 149), filter: A.

Environmental exposure controls

Do not allow to enter drains or water courses. Do not allow to enter underground/soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:		liquid
Color:		white, turbid
Odor:		characteristic
pH value:		7 - 8
Melting point:		not determined
Initial boiling point and boiling range:		100 °C
Flash point:		not flammable.
Solid:		liquid
Flammability Gas:		not applicable
Flammability Explosion hazards:		not explosive according to EU A.14
Lower explosion limit:		not explosive
Upper explosion limit:		not explosive
Ignition temperature:		not flammable
Auto-ignition temperature solid:		liquid
Auto-ignition temperature gas:		not applicable
Decomposition temperature:		not determined
Oxidizing properties:		non-flammable (oxidizing) properties
Vapor pressure:	(at 20 °C)	23 hPa calculated
Density:	(at 21 °C)	approx. 1.0 g/cm ³ ISO 2811
Solubility in water:	(at 21 °C)	miscible
Solubility in other solvents:		not determined
Partition coefficient:		not determined
Run-out time:	(at 21 °C)	11 s 4 DIN 53211
Vapor density:		not applicable
Evaporation rate:		not applicable

9.2. Other information

Odor threshold:		no information available
Solvent content (%):		none/none.
Solids content (%):		9

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SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions will occur if handled and stored as directed.

10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

Heat, frost.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Formation of: Ethanol.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Akute toxicity

Based on available data, the classification criteria are not met.

Irritant and corrosive effect

Based on available data, the classification criteria are not met.

Sensitizing effects

Based on available data, the classification criteria are not met.

Carcinogenic, mutagenic and toxic for reproduction effects

Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Based on available data, the classification criteria are not met.

Specific target organ toxicity in case of repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Other test data

Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP].

There are no data for the preparation/mixture itself.

There is no information available

SECTION 12: Environmental information

12.1. Toxicity

No data are available for the mixture. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the individual components (see section 3).

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information is available.

Further information

Do not allow to enter drains or water courses. Do not allow to enter subsoil/soil. Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP].

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SECTION 13: Disposal considerations

13.1. Waste treatment procedures

Recommendation

Do not allow to enter drains or water courses. Do not allow to enter subsoil/earth.
Dispose of in accordance with official regulations.

Waste code Product

080120 WASTES FROM PRODUCTION, PREPARATION, DISTRIBUTION AND APPLICATION (MFSU) OF COATINGS (PAINTS, VARNISHES, ENAMELS), ADHESIVES, SEALING MATERIALS AND PRINTING INKS; wastes from MFSU and removal of paints and varnishes; aqueous suspensions containing paints or varnishes other than those mentioned in 08 01 19

Waste code uncleaned packaging

150102 PACKAGING WASTE, SUPPLIES, WIPING CLOTHES, FILTER MATERIALS AND PROTECTIVE CLOTHING (A.N.G.); packaging (including separately collected municipal packaging waste); plastic packaging.

Disposal of uncleaned packaging and recommended cleaning agents.

Contaminated packaging must be treated in the same way as the substance. Non-contaminated and completely empty packaging can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

No dangerous goods within the meaning of these transport regulations.

Inland waterway transport (ADN)

No dangerous goods within the meaning of these transport regulations.

Marine transport (IMDG)

No dangerous goods within the meaning of these transport regulations.

Air transport (ICAO)

No dangerous goods within the meaning of these transport regulations.

14.5. Environmental hazards

DANGEROUS FOR THE ENVIRONMENT: no

14.6. Special precautions for user

Keep away from food, drink and animal feeding stuffs.

14.7. Bulk transport according to Annex II of the MARPOL Convention and according to the IBC Code

not applicable

SECTION 15: Legislation

15.1. Safety, health and environmental regulations/specific legislation for the substance or mixture

EU regulations

Information on IE Directive 2010/75/EU (VOC): The substance/mixture does not contain any volatile organic compounds as defined in Directive 2010/75/EU.

National regulations

Employment restriction: Observe employment restrictions for young persons (§ 22 JArbSchG).
Water hazard class: 1 - slightly hazardous for water.
Status: Mixture rule according to Annex 1 No. 5 AwSV

15.2. Chemical safety assessment

A chemical safety assessment for substances in this mixture have not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service

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LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

ATE: acute toxicity estimates

ECHA: european chemicals agency

(<http://echa.europa.eu/information-on-chemicals>)

GESTIS: Gefahrstoffinformationssystem der Deutschen Gesetzlichen Unfallversicherung

(<http://dguv.de/ifa/GESTIS/GESTIS-Stoffdatenbank/index.jsp>)

MSDS:

The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier.

Further information

The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier. The information is based on our present knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship.